Abstract

The invention relates to a reactor for a cooling installation for performing an adsorption and desorption process functioning in particular with zeolite as adsorbent and with water as adsorbate, the inside of a vacuum-tight housing being connectable to a vacuum generator and to a vessel containing water, and having a heating device and a sealable outlet opening for water vapor.

The essence of the invention resides in the fact that at least one inner vessel containing the zeolite is provided and that it has a vessel wall, which is permeable to air and water vapor, and that at least one heating device is arranged inside the inner vessel (Fig. 2).